

NUCLEOTIDES AND ANALOGS HAVING PHOTOREMOVABLE
PROTECTING GROUPS

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ABSTRACT OF THE DISCLOSURE

A synthetic strategy for the creation of large
scale chemical diversity. Solid-phase chemistry,
photolabile protecting groups, and photolithography are
used to achieve light-directed spatially-addressable
10 parallel chemical synthesis. Binary masking techniques
are utilized in one embodiment. A reactor system,
photoremovable protective groups, and improved data
collection and handling techniques are also disclosed. A
technique for screening linker molecules is also
15 provided.

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